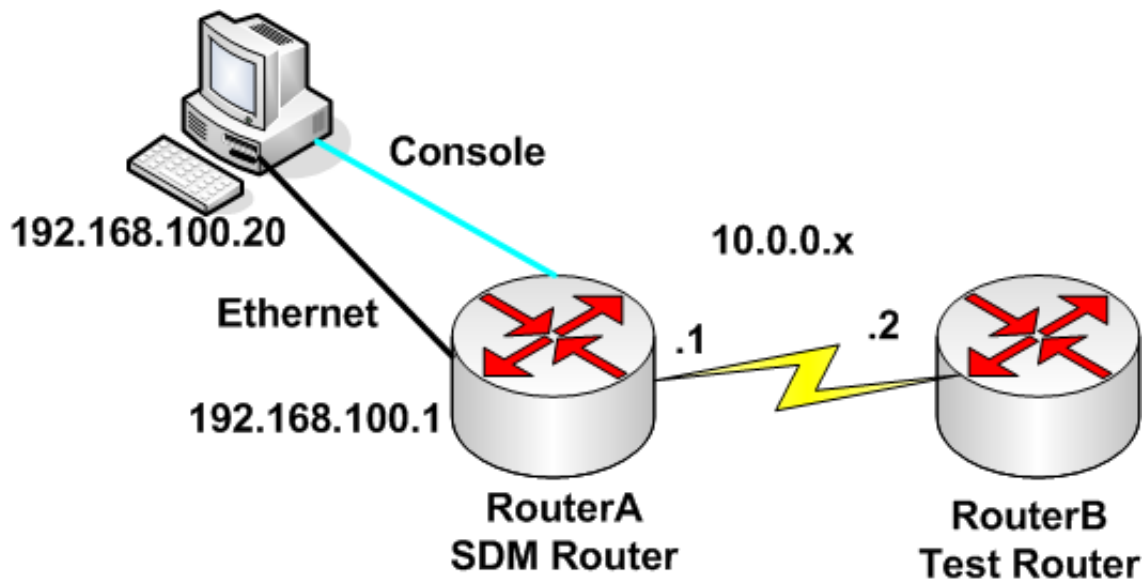


SDM Lab 1

Lab 1 -- Connecting to

Routers Via SDM



Lab Exercise

Your task is to connect your PC or laptop to the routers using SDM. We are presuming you have already downloaded the SDM software to your PC and have a LAN connection from your PC to one of the routers. The routers should be connected via a back to back DTE-DCE cable.

Purpose

Being able to connect to your routers using SDM and navigate through the various menus is an exam requirement. You will also need to complete a basic set up of the router including adding interfaces.

Lab Objectives

1. Place a basic config on the router you will be connecting to via SDM (RouterA) to allow the SDM connection to take place.
2. Configure RouterB with command line so you have a second router which you can ping via RouterA.
3. Configure the routers interfaces with the IP addresses as in Fig. 10.1
4. Ping across the the WAN.
5. Add a logical interface.

Lab Walkthrough

1. To prepare the router to accept incoming SDM connections you must enable http and if you wish https. Please do this on the SDM router (it will become RouterA):

```
Router>enable
```

```
Router#configure terminal
```

```
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip http server
Router(config)#ip http secure-server
Router(config)#ip http authentication local
Router(config)#ip http timeout-policy idle 600 life 86400 requests 10000
```

2. Enable level 15 privilege access to your router:

```
Router(config)#username howtonetwork privilege 15 secret 0 ccna
```

3. Enable ssh and telnet access for privilege level 15:

```
Router(config)#line vty 0 4
Router(config-line)#privilege level 15
Router(config-line)#login local
Router(config-line)#transport input telnet ssh
Router(config-line)#exit
Router(config)#end
Router#
```

4. Add a LAN connection between your PC and the Ethernet port on your SDM router. We will presume you have added IP address 192.168.100.20 to your PC or laptop LAN port. On the router below I issue a 'show ip interface brief' command first to confirm the name and numbers of my LAN interface. I then add the IP address 192.168.100.1 to the fast Ethernet port.

```
Router#sh ip int brief
```

Interface	IP-Address	OK?	Method	Status	Protocol
FastEthernet0/0	unassigned	YES	unset	administratively down	down
Serial0/0	unassigned	YES	unset	administratively down	down

```
Router#conf t
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
Router(config)#int fast 0/0
```

```
Router(config-if)#ip add 192.168.100.1 255.255.255.0
```

```
Router(config-if)#no shut
```

```
Router(config-if)#
```

```
*Mar  1 00:34:40.125: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to
```

up

*Mar 1 00:34:41.126: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

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